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| Search Notes  | Application/Control No. 10581189 | Applicant(s)/Patent Under Reexamination NAKAGAWA ET AL. |
| | Examiner JESSE BOGUE | Art Unit 3748 |

SEARCHED

| Class | Subclass | Date | Examiner |
|-------|---------------------|-----------|-------------|
| 60 | 277,284,286,301,285 | 5/13/2010 | Jesse Bogue |
| 123 | 672 | 5/13/2010 | Jesse Bogue |

SEARCH NOTES

| Search Notes | Date | Examiner |
|--|-----------|-------------|
| East Search: (preliminary or early or close coupled) near4 (catalyst or catalytic) and (oxygen or "O2" or "o.sub.2" or air-fuel or air fuel or air/fuel or lambda or hego) near5 (sensor or probe) and lean and (less near2 lean or more near2 rich or (increase or decrease) near4 oxygen or ratio) | 5/13/2010 | Jesse Bogue |
| Consulted SPE Tom Denion | 5/13/2010 | Jesse Bogue |
| Forward Backward Search / IDS Search / PCT Search | 5/13/2010 | Jesse Bogue |
| Inventor Search | 5/13/2010 | |

INTERFERENCE SEARCH

| Class | Subclass | Date | Examiner |
|-------|---------------------|-----------|-------------|
| 60 | 277,284,286,301,285 | 5/13/2010 | Jesse Bogue |
| 123 | 672 | 5/13/2010 | Jesse Bogue |

/JESSE BOGUE/
Examiner,Art Unit 3748